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(71) Applicant (*for all designated States except US*):
ESKO-Graphics A/S [DK/DK]; Industriparken
35-37, DK-2750 Ballerup (DK).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): NIELSEN, Martin, Egede [DK/DK]; Svendsgade 5A, Dk-9000 Aalborg (DK). BØGH, Niels-Søren [DK/DK]; Mejerivaenget 30, DK-8370 Hadsten (DK).

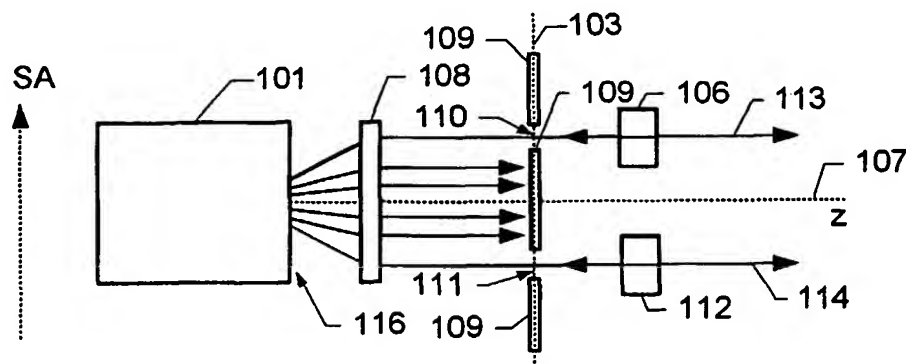
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(74) Agent: ZACCO DENMARK A/S; Hans Bekkevolds Allé 7, DK-2900 Hellerup (DK).

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(54) Title: LASER SYSTEM



(57) Abstract: A laser system for generating a least two output beams comprising a laser multimode diode member (101) emitting a light beam with an intensity distribution comprising a plurality of spatial modes. A dual feedback cavity is provided by first and second selection means (108, 110, 111) for selecting corresponding to one of said plurality of spatial modes on opposite sides of the optical axis; and first and second reflective members (106, 112) where the laser diode member and the reflective members define a dual cavity and are adapted to reflect corresponding feedback fractions of the selected parts of the emitted light beam back into the laser diode member and to produce respective output beams (113, 114).

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